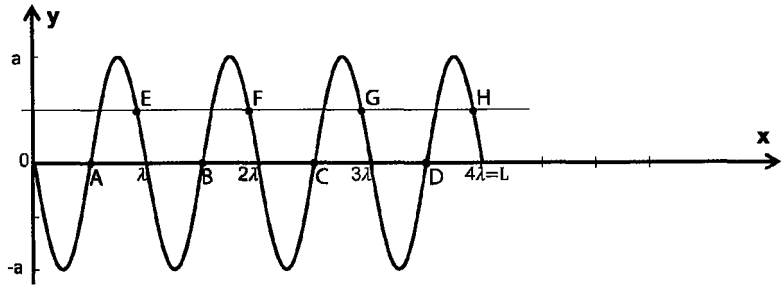
b-



Point	A	B	C	D
X(cm)	10	30	50	70

Par calcul :

$y_M(t) = a \sin(\omega t - \frac{2\pi x}{\lambda})$; $\varphi_M = -\frac{2\pi x}{\lambda}$

$y_s(t) = a \sin(\omega t) \Rightarrow \varphi_s = 0$

$\varphi_M - \varphi_s = -\frac{2k\pi}{\lambda}$

$\varphi_M - \varphi_s = \pi - 2k\pi$

$-\frac{2k\pi}{\lambda} = \pi - 2k\pi$

$-\frac{1}{\pi} \times \frac{2x}{\lambda} = -1 + 2k$

$x = (k - \frac{1}{2})\lambda$

$0 < x < L$

$0 < (k - \frac{1}{2})\lambda < L$

$\frac{1}{2} < k < \frac{L}{\lambda} + \frac{1}{2}$

$0,5 < k < 4,5$

$\Rightarrow 1 \le k \le 4 \Rightarrow \exists 4 - 1 + 1 = 4\, pts$

Qarray.tn -Aqra Blech- Qarray.tn